

CLAIMS

1 1. A vent device for use with a structure having a roof and walls
2 ~~exposed to the environment, surfaces, said~~ surfaces being sized to define
3 a generally rectangular configuration having a linear axis and linear edges
4 parallel to said axis, said configuration having a lift end and a no lift end
5 proximate said linear edges;

6 said no lift end being generally flat and having a predetermined
7 thickness to thereby define a base cross section;

8 said lift end being generally flat and having a predetermined
9 thickness of at least twice that of said base cross section and having an
10 opening, said lift end having a plurality of channels for transferring air
11 therethrough along said lift end toward said no lift end, at least one of
12 said upper and lower outer surfaces having an opening to permit access
13 at said opening to said ^{channels} passages.

1 2. The device of claim 1, wherein said device is positioned on a
2 structure to expose said lift end to the environment outside of said
3 structure.

1 3. The device of claim 1, which additionally includes a pivot point
2 positioned to permit said lift end and said no lift end to pivot about said
3 pivot point, and said pivot point includes said opening.

1 4. The device of claim 3, wherein said device is positioned on a roof
2 to expose said opening in said pivot point to the environment inside said

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1 roof, and wherein said pivot point permits said device to bend in one or
2 both directions about said axis.

1 5. The device of claim 1, wherein said device is positioned on a wall
2 to expose said lift end to the environment outside said wall.

1 6. The device of claim 1, which further includes a baffle to prevent
2 direct flow of environmental air into said lift end.

1 7. The device of claim 1, wherein said lift end comprises at least two
2 sets of layers, the first of which is positioned proximate said lift end
3 linear edge and the second of which is positioned closer to the interior
4 of said device to support said device at at least three locations on said
5 structure, said three locations having decreasing cross sectional height
6 at said lift end, said interior position and said no lift end respectively.

1 8. The device of claim 1, which further includes a cover filter to
2 protect the lift end of said device from insects, wind, snow or dust no
3 matter what direction the device is aligned to permit air flow through
4 said passages.

1 9. The device of claim 1, wherein said pivot point permits said
2 device to bend in one or both directions about said axis.

1 10. The device of claim 1, which is formed from molded plastic.

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1 11. The device of claim 10, where said molded plastic is selected from
2 polyethylene and polypropylene corrugated sheet.

1 12. The device of claim 10, where said molded plastic is nylon.

1 13. The device of claim 1, wherein said device is formed from metal.

1 14. The device of claim 13, wherein said metal is aluminum.

1 15. A method of venting a structure having a roof and walls exposed to
2 the environment and having unventilated or poorly ventilated areas,
3 comprising the steps of:

4 forming a vent device having an upper and lower outer surfaces,
5 said surfaces being sized to define a generally rectangular configuration
6 having a linear axis and linear edges, said configuration having a lift end
7 and a no lift end proximate said linear edges; said no lift end being
8 generally flat and having a predetermined thickness to thereby define a
9 base cross section; ~~said lift end being generally flat and having a~~
10 ~~predetermined thickness at one end thereof with an opening;~~ said lift
11 end being generally flat and having a predetermined thickness at one
12 end thereof of at least twice that of said base cross section and having an
13 opening; said lift end having a plurality of channels for transferring air
14 therethrough; said ^{lower outer surface} device having an opening in communication with said
15 passages to permit access at said opening to said passages;

16 positioning said device to place said lift end on said structure to
17 expose said lift end to the environment outside said structure; and

18 positioning said device to expose said opening to the environment
19 inside said structure.

1 16. The method of claim 15, which further including the step of
2 bending said device about said axis by forming a said pivot point to
3 permit said device to conform to its position on said structure.

1 17. The method of claim 15, wherein said lift end comprises at least
2 two sets of layers, the first of which is positioned proximate said lift end
3 linear edge and the second of which is positioned closer to the interior
4 of said device to support said device at at least three locations on said
5 structure, said three locations having decreasing cross sectional height
6 at said lift end, said interior position and said no lift end respectively.

1 18. The method of claim 15, which further includes the step of
2 placing a cover filter to protect the lift end of said device from insects,
3 wind, snow or dust no matter what direction the device is aligned to
4 permit air flow through said passages.

1 19. The method of claim 15, wherein said vent device is formed from
2 molded plastic.

1 20. The method of claim 19, where said vent device is formed from a
2 material selected from polyethylene corrugated sheet, polypropylene
3 corrugated sheet, nylon, and aluminum.

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